Abstract

Security is a moving target. Never mind if the pursuit of security can even be fully realized on mobile. Society at large has accepted the tenuous nature of security on personal computers as a virtually unavoidable consequence or side effect of the modern age. But compared to the PC world, mobile is still a relatively new and uncharted battlefield. Nowadays, mobile devices are an important part of our everyday lives since they enable us to access a large variety of ubiquitous services. In recent years, the availability of these ubiquitous and mobile services has significantly increased due to the different form of connectivity provided by mobile devices, such as GSM, GPRS, Bluetooth and Wi-Fi. In the same trend, the number and typologies of vulnerabilities exploiting these services and communication channels have increased as well. Therefore, smartphones may now represent an ideal target for malware writers. As the number
of vulnerabilities and, hence, of attacks increase, there has been a corresponding rise of security solutions proposed by researchers.

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